

REMARKS

This application has been carefully reviewed in light of the Office Action dated July 1, 2005. Claims 1 to 4 remain in the application, of which Claims 1 and 3 are independent. Reconsideration and further examination are respectfully requested.

Claims 1 and 3 were rejected under 35 U.S.C. § 102(b) over U.S. Patent No. 5,926,175 (Sturgeon), and Claims 1 to 4 were rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 6,084,638 (Hare) in view of U.S. Patent No. 6,373,503 (Perkes). Reconsideration and withdrawal of the rejections are respectfully requested.

The present invention concerns controlling a display unit and an input/output device of a display apparatus based on an operating mode selected by a remote controller. According to the invention, if a first mode is selected, a control unit controls a connecting unit to form a connection between the display apparatus and an external apparatus such that the display unit functions as a monitor of the external apparatus, and the input/output device functions as an input/output device of the external apparatus. On the other hand, if a second mode is selected, the control unit controls the connecting unit to disconnect the connection between the display apparatus and the external apparatus and the display unit functions as a monitor of the display apparatus, and the input/output device functions as an input/output device of the display apparatus. Thus, a television monitor can be used as both a monitor for a television with the I/O device being used to control the TV, and as a monitor for a computer (external apparatus) with the I/O device being used to control the computer.

Referring specifically to the claims, amended independent Claim 1 is a display apparatus, comprising a remote controller, a display unit, a connecting unit which forms a connection between the display apparatus and an external apparatus, and a control

unit which controls the display apparatus, wherein if a first operating mode is selected by the remote controller, the control unit controls the connecting unit to form the connection between the display apparatus and the external apparatus with the display unit functioning as a monitor of the external apparatus, and makes an input/output device connected to the display apparatus function an input/output device of the external apparatus, and if a second operating mode is selected by the remote controller, the control unit controls the connecting unit to disconnect the connection between the display apparatus and the external apparatus with the display unit functioning as a monitor of the display apparatus, and makes the input/output device connected to the display apparatus function as an input/output device of the display apparatus.

Amended independent Claim 3 is a method claim substantially corresponding to Claim 1.

The applied art is not seen to disclose or to suggest the features of Claims 1 and 3, and in particular is not seen to disclose or to suggest at least the feature of, if a first operating mode is selected by a remote controller, controlling a connecting unit to form a connection between a display apparatus and an external apparatus with a display unit of the display apparatus functioning as a monitor of the external apparatus, and an input/output device connected to the display apparatus functioning as an input/output device of the external apparatus, and if a second operating mode is selected by the remote controller, controlling the connecting unit to disconnect the connection between the display apparatus and the external apparatus with the display unit functioning as a monitor of the display apparatus, and the input/output device connected to the display apparatus functioning as an input/output device of the display apparatus.

Sturgeon is merely seen to disclose that an apparatus 100 that has a computer mode and a TV mode. The apparatus 100 includes a display unit 110 and a computer system 115 which is controllable by a remote controller 125. (see column 3, lines 50 to 55 and column 5, lines 59 to 63). The remote controller can be used to switch modes from the computer (PC) mode to the TV mode by operating a button on the remote controller or by selecting a TV source item on a MENU bar. Thus, while Sturgeon may provide the ability for a TV to display both TV and computer signals on the same screen, Sturgeon is not seen to disclose or to suggest at least the feature of, if a first operating mode is selected by a remote controller, controlling a connecting unit to form a connection between a display apparatus and an external apparatus with a display unit of the display apparatus functioning as a monitor of the external apparatus, and an input/output device connected to the display apparatus functioning as an input/output device of the external apparatus, and if a second operating mode is selected by the remote controller, controlling the connecting unit to disconnect the connection between the display apparatus and the external apparatus with the display unit functioning as a monitor of the display apparatus, and the input/output device connected to the display apparatus functioning as an input/output device of the display apparatus. Accordingly, Claims 1 and 3 are not believed to be anticipated by Sturgeon.

Hare is merely seen to disclose an interface extension system in which the display of a PC can be displayed on a television, thereby permitting users to operate interactive PC games on the screen of a television. However, as admitted in the Office Action, Hare does not disclose a remote controller and therefore, cannot disclose or suggest at least the feature of, if a first operating mode is selected by a remote controller, controlling a connecting unit to form a connection between a display apparatus and an

external apparatus with a display unit of the display apparatus functioning as a monitor of the external apparatus, and an input/output device connected to the display apparatus functioning as an input/output device of the external apparatus, and if a second operating mode is selected by the remote controller, controlling the connecting unit to disconnect the connection between the display apparatus and the external apparatus with the display unit functioning as a monitor of the display apparatus, and the input/output device connected to the display apparatus functioning as an input/output device of the display apparatus.

Nonetheless, the Office Action cites Perkes as allegedly making up for Hare's deficiencies.

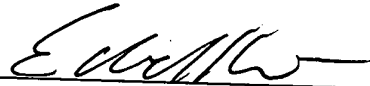
Perkes is merely seen to disclose a multimedia computer and television apparatus in which a dual mode monitor can display both a TV signal and a computer signal. Perkes further discloses a remote control input device 40 that can be used to operate the computer. However, Perkes discloses nothing of any detail about the remote control input device 40, and in particular, discloses nothing about, if a first operating mode is selected by a remote controller, controlling a connecting unit to form a connection between a display apparatus and an external apparatus with a display unit of the display apparatus functioning as a monitor of the external apparatus, and an input/output device connected to the display apparatus functioning as an input/output device of the external apparatus, and if a second operating mode is selected by the remote controller, controlling the connecting unit to disconnect the connection between the display apparatus and the external apparatus with the display unit functioning as a monitor of the display apparatus, and the input/output device connected to the display apparatus functioning as an input/output device of the display apparatus. Accordingly, Claims 1 to 4 are not believed to be have been obvious over Hare and Perkes.

In view of the foregoing amendments and remarks, the entire application is

believed to be in condition for allowance and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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